

# ILLINOIS WEATHER & CROPS



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ILLINOIS STATE WATER SURVEY



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RELEASED: JULY 15, 1985, 3 P.M., CDT

VOL.6, NO.18

## CROPS

Hot temperatures and only scattered rain in Northern Illinois allowed wheat and hay harvesting to make good progress across the State while planting of sorghum and double-crop soybeans neared completion in Southern Illinois. For the week of July 6-12, an average of 6.25 days was reported as suitable for fieldwork. Crop conditions continued to be mostly good although crops in the northern half of the State need additional moisture.

On July 14, 60% of the CORN acreage was silked (tasseled), compared to 10% last year and the 5-year average (1980-84) of 31%. Eight percent of the crop was in the dough stage, compared to none last year and the average of 3%. Condition of the crop on July 12 was reported as 31% excellent, 56% good, 12% fair and 1% poor.

On July 14, 53% of the SOYBEAN acreage was blooming, compared to 32% last year and the 5-year average (1980-84) of 41%. Twelve percent of the acreage was setting pods, compared to 4% last year and the average of 9%. Condition of the crop on July 12 was reported as 17% excellent, 60% good, 22% fair, and 1% poor.

Harvest of WINTER WHEAT as of July 14 was 96% complete compared to 90% last year and the 5-year average (1980-84) of 88%.

OATS condition on July 12 was reported as 14% excellent, 66% good and 20% fair. As of July 14, 93% of the acreage was turning yellow compared to 78% last year and the 5-year average (1980-84) of 77%. Sixty percent of the acreage was ripe, compared to 32% last year and the average of 35%. Thirty percent of the acreage has been harvested for grain, compared to 14% last year and the average of 15%.

ALFALFA condition on July 12 was reported as 12% excellent, 64% good, 20% fair, and 4% poor. Seventy five percent of the second crop was cut, compared to 57% last year and the 5-year average of 58%.

STURE condition on July 12 was reported as 10% excellent, 49% good, 31% fair and 10% poor.

SOIL MOISTURE on July 12 was reported as 51% short, 47% adequate, and 2% surplus.

## WEATHER

Reminiscent of this past spring, the southern third of the State received no RAIN last week. The remainder of the State generally observed more than 0.5", and northwestern and east-central counties received 1.0" to 2.0". Greatest precipitation was received at Paris (2.49") and Gibson City (2.19").

The northern 2/3 of the State observed TEMPERATURES within 2° of normal, with highs beginning in the 70's and rising to the mid 80's by the end of the week, and lows about 20° lower. In the South, temperatures also rose during the period, with highs near or above 100° during the last 3 days. Low temperatures in the South were no lower than 75° during the last 2 days! These high temperatures, along with no precipitation in the South, resulted in very high moisture stress.

The OUTLOOK for July 15-21 calls for partly cloudy weather mid-week, turning warmer late in the week, highs in the 90's South to near 90 North. Chance of precipitation minimal, but increasing by the end of the week.

The OUTLOOK for the REMAINDER OF JULY is for below normal temperatures and near normal precipitation. The 90-DAY OUTLOOK through September is for near normal temperatures and precipitation.

## JUNE WEATHER SUMMARY

Average monthly TEMPERATURES were below normal throughout the State, as they ranged from 1 to 5° below normal. The Northeast District recorded the largest below normal variation (5° below normal). The southeast portion recorded the smallest variation (0.9° below normal). The first week had below normal temperatures over much of Illinois, with maximum temperatures ranging from the 50's near Lake Michigan, to the 70's in the remaining sections. During the second week, a short-lived warm spell sent readings into the 90's. Below normal temperatures were again recorded over the State in the last week. However, this warm period was also short-lived.

PRECIPITATION was below normal in the northern districts of the State, and above normal in the southern districts. The West District had the largest below normal variation (2.92 inches below normal). The largest above normal variation was in the Southeast District (3.03 inches above normal). The area around St. Louis had the greatest amount of rain with a monthly total of 9.43 inches. The area near Dubuque reported the least amount of rain with 1.09 inches. Light rain fell over much of the State during the first 10 days of June. On the 11th, the Springfield area recorded nearly 2.50 inches during a 24 hour period. The rest of the State received moderate amounts of rain. During the last week, many sections received moderate to heavy amounts of rainfall.

## ILLINOIS CROP REPORTING DISTRICT SUMMARY

	NW	NE	W	C	E	WSW	ESE	SW	SE	STATE	5-YR. AVG.
As of July 14											
Corn: % Silking	50	45	74	80	66	68	50	42	35	60	31
Soybeans: % blooming	42	46	58	74	67	62	50	24	20	53	41
Week ending July 12											
Days suitable for fieldwork:	5.5	6.0	6.5	6.0	5.0	7.0	6.5	7.0	7.0	6.25	
Soil Moisture %:											
Short	80	90	100	40	35	55	15	25	25	51	
Adequate	20	10	0	60	65	45	85	70	60	47	
Surplus	0	0	0	0	0	0	0	5	15	2	

CROP INFORMATION in this report is provided voluntarily by county officials of Extension Service and SCS, and agribusiness managers.

Additional WEATHER INFORMATION is provided by Midwest Agr. Weather Serv. Ctr. (W. Lafayette, Ind.) and National Weather Service Cooperative Observers.

NEWSPAPER TIME VALUE

Illinois Weather & Crops  
July 15, 1985

Illinois Weather & Crops (ISSN 0273-8635) is published weekly April-November, semi-weekly the second week of June, the first week of December-March, by the Illinois Dept. of Agriculture, Illinois Cooperative Crop Reporting Service, Room 54, Department of Agriculture Bldg., 801 Sangamon Ave., Springfield, IL 62706. For information on subscribing, send request to the above address. Second-class postage paid at Springfield, Illinois.

Postmaster: Send Address Change to Illinois Weather & Crops, P.O. Box 429, Springfield, IL 62705-0429

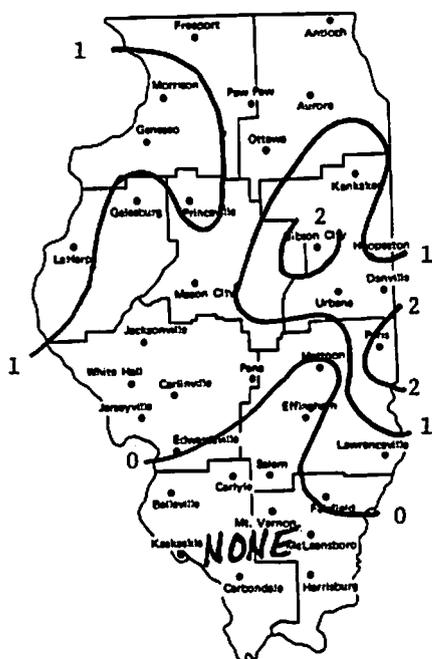
PRELIMINARY DISTRICT PRECIPITATION AVERAGES AND DEPARTURES FROM NORMAL IN INCHES

	NW	NE	W	C	E	WSW	ESE	SW	SE
June	3.29	2.38	1.93	4.16	3.43	5.73	5.16	7.19	7.27
Departure	-1.08	-1.72	-2.96	-0.12	-0.71	0.96	0.62	2.87	3.03

Week ending Sunday, July 14, 1985

Location	Temperatures			Precipitation		Growing Degree Days (50 deg)		% Plant Avail.			
	Maxi- mum	Mini- mum	Depar- ture	Curr. : week	: Since : May 1	Departure : since May 1	Curr. : week	: Since : May 1	Departure : since May 1	Soil Moist. 1/ : 0-6" : 6-20"	
Freeport	91	57	2	0.22	8.97	-0.85	168	1294	22	80	91
Paw Paw	90	61	-1	0.84	8.41	-1.36	166	1214	-235	99	94
Antioch	93	60	0	1.71	7.57	-1.18	165	1182	-160	27	27
Galesburg	93	63	2	0.90	7.26	-3.54	188	1390	11	60	63
Walnut	92	63	0	1.92	11.57	1.80	171	1284	-165	55	71
Mason City	94	63	2	0.15	6.73	-2.20	195	1514	8	19	61
Princeville	93	59	-1	1.10	11.87	2.45	165	1284	-112	49	55
Kankakee	92	61	1	0.84	7.03	-3.25	171	1335	-57	27	27
Jacksonville	94	60	1	0.52	8.13	-0.80	177	1355	-151	25	68
Pana	92	59	2	0.06	9.00	-1.52	193	1445	-66	22	68
Urbana	92	63	1	1.14	10.75	0.82	184	1440	1	21	21
Carlinville	94	64	4	0.10	7.91	-1.55	205	1538	3	48	76
Effingham	94	64	4	0.04	9.84	-0.29	203	1455	-56	36	65
Lawrenceville	96	61	3	0.26	10.91	-0.05	193	1486	-84	80	88
Belleville	95	60	3	0.00	10.36	1.45	210	1558	-72	73	84
Carlyle	96	63	3	0.00	11.07	1.50	200	1555	-36	54	74
Marion	94	60	1	0.00	11.42	1.18	197	1510	-162	85	94
Marion	102	63	5	0.00	10.70	0.40	197	1570	-49	74	78
Marion Springs	93	62	2	0.00	13.04	2.80	202	1648	-24	86	100

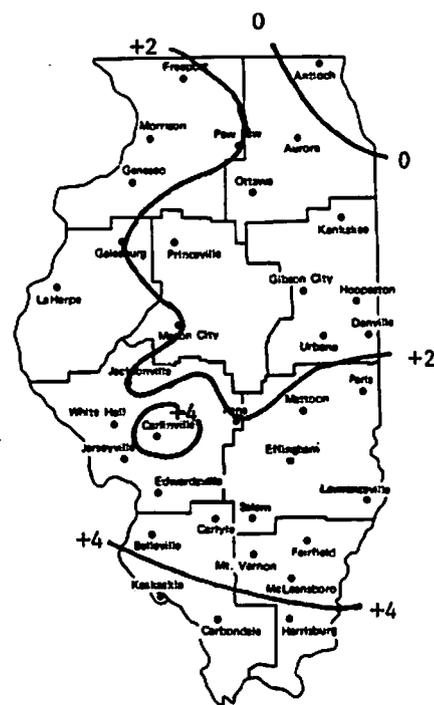
1/ Soil moisture measurements are based on readings from closest station. Readings taken approximately June 28.  
2/ Missing data.



TOTAL PRECIPITATION  
FOR WEEK ENDING  
JULY 14

MONTHLY TEMPERATURE DEPARTURES IN DEGREES

	March	April	May	June
Chicago	+3	+4	+1	-5
Peoria	+6	+6	+3	-3
Springfield	+7	+4	+2	-3
St. Louis	+6	+5	+2	-3



MEAN TEMPERATURE DEVIATIONS  
FROM NORMAL FOR  
WEEK ENDING JULY 14